

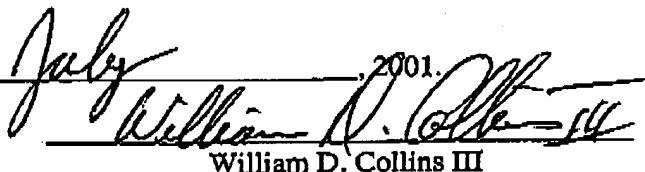
Attorney Docket No.: M-11718 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, William David Collins III; Michael R. Krames; Godefridus J. Verhoeckx; Nicolass J. Martin Van Leth; hereby sell, assign and transfer to Lumileds Lighting U.S., LLC, a Delaware corporation, having a place of business at 370 W. Trimble Road, San Jose, California, ~~95131~~, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

Using Electrophoresis To Produce A Conformally Coated Phosphor-Converted Light Emitting Semiconductor Structure

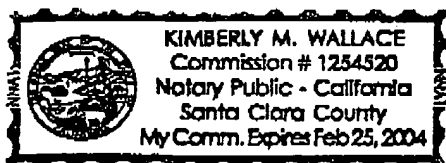
for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 24 day of July, 2001.

William D. Collins III

State of CA)
) ss.
County of Santa Clara

On July 24, 2001 before me, Kimberly M. Wallace, Notary Public personally appeared William D. Collins III personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

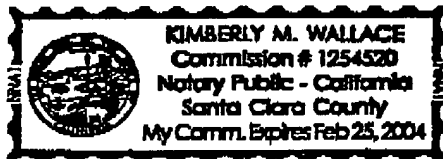

SIGNATURE OF NOTARY

Executed this 26th day of July, 2001.

Michael R. Krames
Michael R. Krames

State of CA)
) ss.
County of Santa Clara

On July 26, 2001 before me, Kimberly M. Wallace, Notary Public personally appeared Michael R. Krames personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Kimberly M. Wallace
SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Godefridus J. Verhoeckx

State of _____)
) ss.
County of _____)

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Nicolaas J. Martin van Leth

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

775686 v1

Attorney Docket No.: M-11718 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, William David Collins III; Michael R. Krames; Godefridus J. Verhoeckx; Nicolaas J. Martin van Leth; hereby sell, assign and transfer to Lumileds Lighting U.S., LLC, a Delaware corporation, having a place of business at 370 W. Trimble Road, San Jose, California, 95131, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

Using Electrophoresis To Produce A Conformally Coated Phosphor-Converted Light Emitting Semiconductor Structure

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this _____ day of _____, 2001.

William D. Collins III

State of _____)
County of _____) ss.

On _____, before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Michael R. Krames

State of _____)
County of _____) ss.

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 12th day of July, 2001

Godefridus J. Verhoeckx

State of _____)
County of _____) ss.

On 2001-07-12 before me, E. J. W. M. Lenders
personally appeared G. J. Verhoeckx personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 30th day of July, 2001.

Nicolaas J. Martin van Leth
Nicolaas J. Martin van Leth

State of _____)
County of _____) ss.

On 30th July before me, N. P. M. Haex
personally appeared N. J. M. van Leth personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

Haex
SIGNATURE OF NOTARY

30th of July 2001

775686 v1

Attorney Docket No.: M-11727 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Christopher Haydn Lowery and Troy Trottier

hereby sell, assign and transfer to LumiLeds Lighting, U.S., LLC, a Delaware corporation, having a place of business at 370 Trimble Road, San Jose, California 95131, its successors and assigns, the entire right, title and interest throughout the world in our invention in

Reduction Of Contamination Of Light Emitting Devices

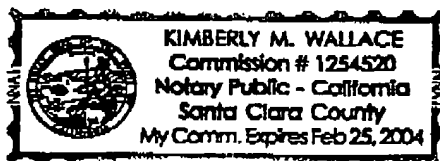
for which we filed a United States Patent Application on August 23, 2001, which now has Serial No. 09/938,407, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 15 day of January, 2002.

Christopher Haydn Lowery
Christopher Haydn Lowery

State of CA)
) Ss.
County of Santa Clara)

On January 15, 2002 before me, Kimberly M. Wallace, Notary Public personally appeared Christopher Haydn Lowery personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person ~~(s)~~ whose name ~~(s)~~ is ~~(s)~~ subscribed to the within instrument and acknowledged to me that he ~~/she/they~~ executed the same in his ~~/her/their~~ authorized capacity ~~(ies)~~, and that by his ~~/her/their~~ signature ~~(s)~~ on the instrument the person ~~(s)~~, or the entity upon behalf of which the person ~~(s)~~ acted, executed the instrument.



WITNESS my hand and official seal.

Kimberly M. Wallace
SIGNATURE OF NOTARY

Attorney Docket No.: M-11727 US

Executed this 15th day of January, 2002.
Troy TrottierState of CA)
) ss.
County of Santa Clara)

On January 15, 2002 before me, Kimberly M. Wallace, Notary Public
personally appeared Troy Trottier personally
known to me ~~or proved to me on the basis of satisfactory evidence to be the person(s)~~ whose
name(s) is ~~(are)~~ subscribed to the within instrument and acknowledged to me that he ~~/she/they~~
executed the same in his ~~/her/their~~ authorized capacity ~~(ies)~~, and that by his ~~/her/their~~
signature ~~(s)~~ on the instrument the person ~~(s)~~, or the entity upon behalf of which the person ~~(s)~~
acted, executed the instrument.



WITNESS my hand and official seal.


SIGNATURE OF NOTARY